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SOURCE Zhurnal Analiticheskoy Khimii, Vol IV, No 5, 1949.

CONFERENCE SEEKS WIDESPREAD EXCHANGE
OF SCIENTIFIC KNOWLEDGE

The Conference on the Analysis of Organic Compounds convened by the Commission of Analytical Chemistry, Department of Chemical Sciences, Academy of Sciences USSR, was held in December 1947. It was an initial attempt towards organizing scientific workers and the widespread exchange of scientific knowledge among all workers in the fields of organic analysis. As a result, the following resolutions were adopted.

Personnel

1. To request branch institutes to organize courses for increasing qualifications of Technical Control Section (OTK) workers in plants of the All-Union Scientific Research Chemico-pharmaceutical Institute imeni Ordzhonikidze (VNIKhFI), Scientific Research Institute of Organic Intermediate Products and Dyestuffs imeni Voroshilov (NIOPIK), and other institutes.
2. To request corresponding scientific research institutes to organize courses for improving qualifications of their employees in various methods of analysis. Polarography - GEOKhI, Academy of Sciences USSR; microanalysis - Institute of Organic Chemistry, Academy of Sciences USSR (IOKh); koontgenoscopy - I-ray Institute; combination light diffusion - Physics Institute, Academy of Sciences USSR (FIAN); and other functional methods of analysis - VNIKhFI, NIOPIK, and others.
3. To request the Ministry of Higher Schools to organize special courses in the institutes of higher education for chemical analysts. These courses are to include both specialized courses as well as general courses.
4. To request the Ministry of the Chemical Industry and other interested ministries to organize training courses for their laboratory technicians and analysts.

Literature

1. To increase the size of Zhurnal Analiticheskoy Khimii (Journal of Analytical Chemistry) and to devote a larger part of it to bibliography and summaries of Soviet and foreign literature.

- 1 -

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2. To devote more space in this periodical to the systematic reporting of Soviet industrial production of apparatus, receptacles, and reagents, so as to inform Soviet chemical workers of Soviet achievements.

3. To request the Ministry of the Chemical Industry to have commercial and industrial organizations issue catalogues, informational leaflets, price lists, etc.

4. To request Goskhimizdat to publish regularly a reference book of the Sputnik Khimika Chemist's Handbook type as well as a series of small brochures and monographs on methods of organic analysis in the following fields: analysis of organic dyes, NIOPIK; polarography, GEOKhI; rapid methods of organic analysis, IOKh; determination of the active atom of hydrogen, Moscow State University; determination of individual functional groups, VNIKhFI; and physicochemical methods in organic analysis.

Other Resolutions

1. To request the Directorate of the Institute of Analytical Chemistry, Academy of Sciences USSR, to speed up organization of laboratories for the analysis of organic compounds, since there is a critical shortage of such facilities.

2. a. To direct scientific research work in the analysis of organic compounds at present so as to emphasize the study and wide application of methods of microchemistry and elementary and functional organic microanalysis.

b. To develop and use widely in scientific work the physical and physicochemical methods of analysis and research of organic substances.

c. To investigate and develop new methods of organic functional analysis.

d. To stress the developments and study of qualitative analyses of mixtures of organic compounds.

3. To request the Commission of Analytical Chemistry and the Institute of the History of Natural Science to organize collection and study of data on the history of analytical chemistry in Russia before the Revolution and during the Soviet era.

4. To request the Ministry of the Chemical Industry to organize laboratories operating on cost-accounting principles, which will conduct elementary organic analysis, such as the determination of a series of functional groups and analyses using physicochemical methods, and elementary organic analyses.

5. a. To boost production in plants making fine technical apparatus, i.e., spectral analysis instruments, electric measuring devices, etc

b. To set up and develop production of laboratory apparatus in small specialized enterprises such as the Central Scientific Research Wood Chemistry Trust for Testing and Measuring Instruments (TsNIIKIP).

c. To construct workshops for the repair of laboratory equipment and apparatus.

d. To guarantee and increase output of the following equipment: spectrophotometers, apparatus for molecular analysis by the combination light diffusion method, electrophotocolorimeters, nephelometers, apparatus for determining electroconductivity, polarographs, aperiodic scales with shock absorbers and macro- and micro-adjustments, all types of apparatus for elementary microanalysis, and tube potentiometers.

CONFIDENTIAL

- 2 -

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e. To improve the quality and increase the assortment of laboratory glassware, i.e., pyrex glass, standard slides, graduates, and flasks, etc.

6. a. To suggest that the Chief of the Administration for the Sale of Chemicals supervise laboratories and guarantee their filling orders for reagents and other compounds, both small and large shipments.

b. To demonstrate to the leadership of the Institute of Chemically Pure Reagents the desirability and need for expanding work in the field of developing new specific organic reagents.

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- 3 -

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